

FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 210121.530C1		APPLICATION NO. <del>09/991,376</del> 10/757,233	
<b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				APPLICANTS David H. Persing et al.			
				FILING DATE November 20, 2001		GROUP ART UNIT 1623	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	AA	6,303,347	10/16/01	Johnson et al.	435	101	
	AB	6,113,918	09/05/00	Johnson et al.	424	278.1	
	AC	4,987,237	01/22/91	Myers et al.	549	222	
	AD	4,912,094	03/27/90	Myers et al.	514	54	
	AE	4,877,611	10/31/89	Cantrell	424	88	
	AF	4,866,034	09/12/89	Ribi	514	2	
AL	AG	4,436,727	03/13/84	Ribi	424	177	
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
AL	AH	WO 98/50399	11/12/98	WIPO			
<b>OTHER PRIOR ART</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
AL	AI	Johnson et al., "3-O-desacyl monophosphoryl lipid A derivatives: synthesis and immunostimulant activities," <i>J. Med. Chem.</i> 42:4640-4649, 1999.					
	AJ	Kirschning et al., "Human toll-like receptor 2 confers responsiveness to bacterial lipopolysaccharide," <i>J. Exp. Med.</i> 188(11):2091-2097, December 7, 1998.					
	AK	Poltorak et al., "Defective LPS signaling in C3H/HeJ and C57BL/10ScCr mice: mutations in <i>Tlr4</i> gene," <i>Science</i> 282:2085-2088, December 11, 1998.					
	AL	Qureshi et al., "Endotoxin-tolerant mice have mutations in toll-like receptor 4 ( <i>Tlr4</i> )," <i>J. Exp. Med.</i> 189(4):615-625, February 15, 1999.					
	AM	Ulrich and Meyers, in <i>Vaccine Design: The Subunit and Adjuvant Approach</i> : Powell and Newman Eds.; Plenum: New York, 495-524, 1995.					
AL	AN	Yang et al., "Toll-like receptor-2 mediates lipopolysaccharide-induced cellular signaling," <i>Nature</i> 395:284-288, September 17, 1998.					
EXAMINER <i>ALM</i>				DATE CONSIDERED 11/28/06			
<b>* EXAMINER:</b> Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).							

Substitute for form 1449A/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/428,156- 10/757,233
			Filing Date	April 22, 2002
			First Named Inventor	Persing, David H.
			Art Unit	1623
			Examiner Name	KATHLEEN FONDA D. Khase
			Attorney Docket Number	014058-017640US
Sheet	1	of	2	

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
M	AA	US-6,844,894		07-04-1989	Ribi	
	AB	US-5,782,943		08-09-1998	Dolovich et al.	
	AC	US-6,113,918		09-05-2000	Johnson et al.	
	AD	US-6,303,347		10-16-2001	Johnson et al.	
	AE	US-6,355,257		03-12-2002	Johnson et al.	
	AF	US-2002/0009458		01-04-2002	Crane	
N	AG	US-2002/0048588		04-25-2002	Johnson et al.	
	AH	US-				
	AI	US-				
	AJ	US-				
	AK	US-				
	AL	US-				
	AM	US-				
	AN	US-				
	AO	US-				
	AP	US-				
	AQ	US-				
	AR	US-				
AS	US-					
AT	US-					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AU							<input type="checkbox"/>
	AV							<input type="checkbox"/>
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	BA							<input type="checkbox"/>
	BB							<input type="checkbox"/>

Examiner Signature	<i>Khase</i>	Date Considered	9/28/06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary).				<b>Complete If Known</b>	
				Application Number	10/428,156 10/7, 233
				Filing Date	April 22, 2002
				First Named Inventor	Persing, David H.
				Art Unit	1623
				Examiner Name	KATHLEEN FONDA
Sheet	2	of	2	Attorney Docket Number	014058-017640US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BC		
	BD		
	BE		
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	BM		

Examiner Signature	<i>[Signature]</i>	Date Considered	9/20/08
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.